Abstract of the Disclosure:

A receiver of the direct conversion system by which problems arising from interference between a reception signal and a local signal used by a quadrature demodulator on the reception side are moderated. Where the carrier frequency of a transmission signal is represented by f_t and the carrier frequency of a reception signal by f_r while the frequency interval between the transmission and reception carrier frequencies is represented by f_s ($= f_r - f_t$), first and second local oscillators generate first and second local signals f_{LO1}, f_{LO2} having frequencies $f_{LO1} \approx f_t - f_s$ and $f_{LO2} \approx 2 \cdot f_s$, respectively. A mixer mixes the first and second local signals to generate an internal local signal which is a sum frequency component. The internal local signal is supplied to a quadrature demodulator of the reception side. The mixer and a band-pass filter are formed in the same LSI chip as the quadrature demodulator.